**Homework 48H** Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Special Right Triangles 45-45-90** Period:\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Failure to show all work and write in complete sentences will result in LaSalle.**

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| 1. Find the value of each variable. Write answers in the simplest radical form. | 1. Find the value of each variable. Write answers in the simplest radical form. |
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**For problems 1 – 6, find the value of each variable. Write your answers in simplest radical form.**

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| 1) | 2) |
| 3) | 4) |
| 5) | 6) |
| 7) Use the figure to the right to complete the table below. |  |
| 8) The side lengths of a triangle are given. Determine whether it is a *45°-45°-90° triangle,* a *30°-60°-90° triangle,* or *neither.*  a. 5, 10,  b. 6, 6, | |